

Team Analysis Template: High/ Middle School

Math

June 2008

Focus Area/ Prompts	Data Source	Reactions/ Notes/ Ideas
This Year: What Did We Do? <ul style="list-style-type: none"> What was our student performance goal? What were we trying to achieve this year? What curricular targets did we identify as most important last year? What curricular targets/ leverage points were we focusing on this year? Why? What did our team plan to do differently this year? What were we able to accomplish? What didn't we do? What actions do we think made a real difference in student learning and performance? 	<ul style="list-style-type: none"> Last year's data templates Last year's action plans Last year's critical skills list 	<p>80% on Math</p> <p>Higher percentage meeting requirements for graduation with distinction</p> <p>Trig equations + Integration w/ topics within the curriculum</p> <p>More time on trig equations yield better results on final exams</p> <p>More rigorous assignments & assessments and more emphasis on applications</p>
Unwrapping the Data: Did our work make a difference? <ul style="list-style-type: none"> How did the kids do this year? <ul style="list-style-type: none"> How many were proficient/ passed the course? Not Proficient/ Failed? How many passed/failed the exam? How did the kids do compared to last year's kids? How did this year's kids do compared to how they did last year? How many grew? Did any fall back? How did our students enrolled in AIS do? How many were successful? How many improved? How do we know? On which items/ areas did more than 85% of kids respond correctly? On Which items were fewer than 85% of the kids correct or successful? On which of these items were the students furthest from that target? Which items represent the most important content in our course of study? How did our kids do on those items? 	<ul style="list-style-type: none"> Graph of overall performance Graph of overall performance vs. last year/ historical. Graph of student performance vs. Last year's performance. Item analysis templates NYS Item Analysis vs. Region Data Warehouse Gap Analysis Data Warehouse Response Analysis 	<p>80% passed Math B 50% - proficient 30% - mastery</p> <p>Improved results</p> <p>Needy students this year, many showed improvement – based on formal assessments & informal observations</p> <p>Students who attended succeeded</p> <p>Undefined fractions, summations & circles</p> <p>Sum/Prod roots, abs value inequalities logs</p> <p>Domain, function rotation, trig equations - students were proficient</p>

Focus Area/ Prompts	Data Source	Reactions/ Notes/ Ideas
<p>Going Beyond The Numbers: What Makes The Difference?</p> <ul style="list-style-type: none"> • What are our gaps? • What small number of curricular targets would we want our kids to learn better and improve performance? • For each of those targets, consider some of these questions: <ul style="list-style-type: none"> ○ How much time do we spend on that part of the curriculum? ○ How does everyone teach those points? What other approaches would be effective? ○ How do we assess the kids? How rigorous are these assessments? ○ What do we ask kids to produce using this content? ○ How do we intervene with kids? How do we monitor if the interventions make a difference? ○ Do we differentiate? How often do we differentiate? How do we differentiate? 	<ul style="list-style-type: none"> • Colleagues • Curriculum Maps • Assessment Samples 	<p>Logs</p> <p>2 weeks</p> <p>Rules of logs – basic understanding</p> <p>More time is needed on basics not on problem solving</p> <p>Formally & informally - very rigorous assessments</p> <p>AIS & after school programs</p> <p>Assessments are designed to engage all students - expectations were handled on a student – by – student basis</p>
<p>Next Steps: What will we do differently next year?</p> <ul style="list-style-type: none"> • What could we do in our classrooms that we think would make a difference? • What could we do that would improve the number of kids that learn and how deeply they learn it? • Think In terms of : <ul style="list-style-type: none"> ○ What we teach? ○ What we ask kids to produce? ○ How we assess- item types? Item rigor? ○ How often we assess? How we use the results? ○ How we instruct? Apply strategies or specific tools to content? 		<p>More frequent assessments</p> <p>Provide more activities that differentiated to meet the needs of all students</p> <p>Hold students more accountable</p> <p>Daily assessment gives instant feedback to the breadth & depth of understanding</p>